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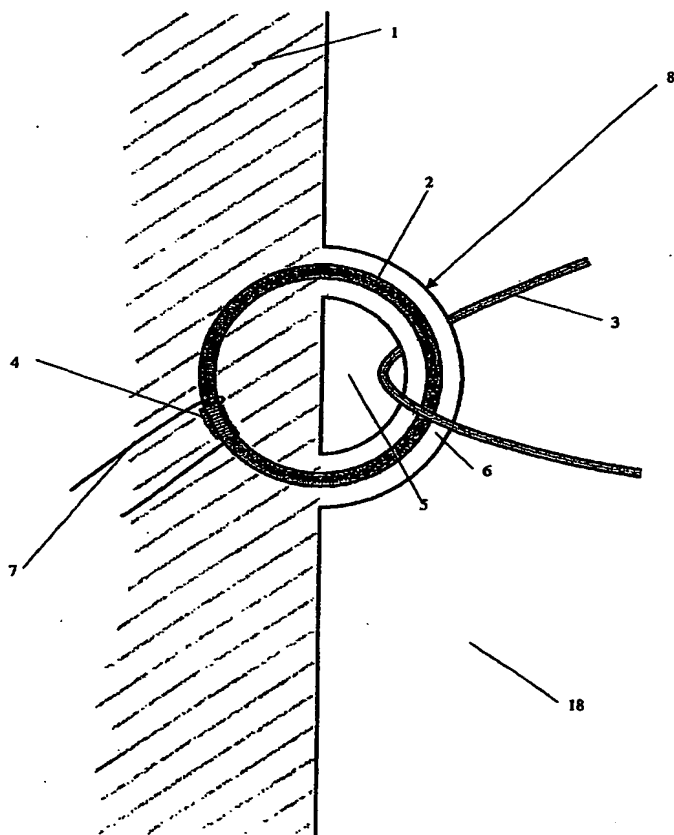
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(54) Title: **IMPROVED TRANSCUTANEOUS POWER AND/OR DATA TRANSCIEVER SYSTEM**



(57) Abstract: A device for communicating electric signals across the skin layer (1) of a patient, wherein the device includes: an electrically conductive core (2) capable of forming an EMF flux loop; first (3) and second (4) coils, which are in EMF communication with said electrical conductive core (2) and wherein the first coil (3) is positioned externally to the patient and surrounds at least a first portion of the electrically conductive core (2); and the second coil (4) is implanted beneath or in the skin layer and surrounds at least a second portion of the electrically conductive core.

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